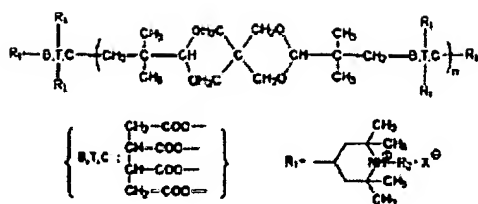


Record 4



JP2000247015 A
INK JET RECORDING SHEET
OJI PAPER CO LTD

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Abstract: PROBLEM TO BE SOLVED: To obtain an excellent recording density, and the quality of an recording image and the water resistance of a recording image, and also the light fastness of a half tone image by allowing at least a kind of compound expressed by a specific formula to be contained in a sheet in an ink jet recording sheet for forming a recording image in use of aqueous ink.

SOLUTION: The ink jet recording sheet is to form a recording image by the use of aqueous ink, in which by allowing a hindered amine group, in particular, at least a kind of compound expressed by a formula (in the formula, R2 shows a hydrogen atom or a methyl group, X shows an organic or inorganic anion, (n) shows integers of 0 or 1-10) to be contained in the sheet, its image quality becomes superior, the black and magenta of a half tone has little or no decoloration and discoloration by light, and hence images are extremely improved in their light fastness and water resistance. The compound has a high hydrophilic property so as to be admixed aqueous ink promptly, and since it has a cationic property capable of existing in the vicinity of dye having in an anionic property through an electrostatic interaction, thus restraining the decomposition of dye.

Int'l Class: B41M00500; B05D00504 B05D00700 C09D00712 D21H02700 C09D20100